

TDB SERIES · EXTRUSION BLOW MOLDING

TDBS-2000A

Accumulator-head extrusion blow molding for water tanks and storage tanks up to 2,000 L, with an 80 L accumulator head and a 135 mm extruder.



The TDBS series is Tongda's accumulator-head range for large tank products such as horizontal and vertical water tanks. Share your tank drawing, wall thickness, weight, resin and fittings to size the accumulator, mold and handling.

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Years of industry experience

100+

Countries and regions served

1,200+

Machines and systems built per year

10,000+

Machines and systems supplied

The figures reproduce the published configuration of this model. Installed power is connected equipment power, not measured consumption; output depends on product, resin and cycle. Final configuration is confirmed in the quotation.

STATIONS	MAX. VOLUME	CLAMPING FORCE	TOTAL POWER
Single	2,000 L	1,800 kN	343 kW

SPECIFICATIONS

Stations	Single
Max. product volume	2,000 L
Dry cycle	80 pc/h
HDPE output	450 kg/h
Accumulator head capacity	80 L
Machine weight	45,000 kg
Machine dimensions (L × W × H)	13.8 × 4 × 7.5 m
Clamping force	1,800 kN
Screw diameter	135 mm
Total installed power	343 kW

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REQUEST A QUOTATION

Send your product drawing or sample, resin, volume, weight and hourly output target.
tongdamachinery.com/contact
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www.tongdamachinery.com/product/tdbs-2000a/

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TDBS大型储罐类系列

TDBS SERIES ACCUMULATOR HEAD BLOW MOLDING MACHINES FOR LARGE TANK PRODUCTS

性能和优点

- 设备整体性好，机架、模板等刚度高，运行平稳，长久耐用；
- 开合模整体前移设计，保证快速、安全换模，让生产更高效；
- 增效降本，提升制品功能性，满足多元需求。

PERFORMANCE AND ADVANTAGES

- Integrated frame, high-stiffness platens. Vibration-free operation, long-term durability;
- Integrated mold carriage shift. Ensures rapid and safe mold change. Boosts production efficiency;
- Enhances efficiency, reduces cost. Improves product functionality. Meets diverse requirements.



TDBS-1000A (挤出中空吹塑设备)
ACCUMULATOR
EXTRUSION BLOW MOLDING MACHINE



开合模
Mold Clamping Mechanism



模头系统
Extrusion Die System



电脑控制系统
Digital Control System

技术参数 TECHNICAL PARAMETER

项目 / ITEM	单位 / UNITS	机型 / MODEL		
机型 Model		TDBS-1000A	TDBS-2000A	TDBS-3000A
基本参数 Specification				
工位数 Station	/	1	1	1
制品最大容积 Max. Product Volume	L	1000	2000	3000
空循环 Dry Cycle	pc/h	100	80	80
HDPE塑料挤出量 Output of HDPE	kg/h	400	450	220×3
机器重量 Weight of Machine	T	40	45	60
机器外形尺寸 Size of Machine	m,LxWxH	9×2.7×7	13.8×4×7.5	14×4.2×8
模头 Die Head				
最大口模直径 Max. Die Diameter	mm	660	700	800
模头加热段数 Die Head Heating Zone	/	8	9	10
储料量 Capacity of Accumulator Head	L	50	80	120L
模头加热功率 Die Head Heating Power	kW	70	85	100
开合模系统 Clamping Unit				
开合模行程 Platen Distance	mm	900-2700	1100-3000	1100-3200
锁模力 Clamping Force	kN	1000	1800	2200
挤出系统 Extruder Unit				
螺杆直径 Screw Diameter	mm	120	135	100×3
螺杆长径比 Screw Length/Diameter Ratio	/	30:1	28:1	28:1
螺杆加热功率 Screw Heating Power	kW	38	50	26×3
螺杆加热区段 No. of Heating Zone (Screw)	/	4	5	5
螺杆电机功率 Screw Motor Power	kW	132	160	75×3
动力系统 Power Unit				
油泵电机功率 Hydraulic Pump Driving Power	kW	31.5+5.5+11	31.5+5.5+11	31.5+5.5+11
装机总功率 Total Power	kW	288	343	451
备注 Remarks				
气体用量 Air Consumption	m ³ /min	2	2.5	3
吹气压力 Blow Pressure	MPa	0.6	0.6	0.6
冷却水压力 Cooling Water Pressure	MPa	0.3	0.3	0.6
用水量 Water Consumption	L/min	300	350	400
模具最大尺寸 Max. Size of Mold	mm,WxH	/	/	/
制品 Product				



*备注：以上参数仅供参考，可根据客户需求量身定制。
Note: The parameters above are just for reference, which can be designed by your requirements.